

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-18. (canceled)

19. (Currently Amended) A cured pneumatic tyre, comprising:

at least one temperature indicator;

wherein the at least one temperature indicator comprises:

at least one ~~reactive substance~~radical initiator; and

at least one dye substance; and

an opaque medium;

wherein the at least one ~~reactive substance~~radical initiator has a threshold temperature, wherein the at least one dye substance has at least one characteristic peak in its absorption or emission spectrum,

wherein, when an excess temperature is reached in the cured pneumatic tyre, the at least one ~~reactive substance~~radical initiator is heated above the threshold temperature and chemically reacts with the at least one dye substance so as to irreversibly modify the at least one characteristic peak; and

wherein the opaque medium provides a visual background for the reaction product of said radical initiator and said at least one dye substance.

20. (Previously Presented) The cured pneumatic tyre of claim 19, comprising: at least two temperature indicators.

21. (Currently Amended) The cured pneumatic tyre of claim 20, wherein the at least two temperature indicators comprise different ~~reactive substances~~ radical initiators with different threshold temperatures.

22. (Previously Presented) The cured pneumatic tyre of claim 20, wherein the at least two temperature indicators are positioned in axial sequence between a crown shoulder and an equatorial plane of the tyre.

23. (Previously Presented) The cured pneumatic tyre of claim 19, wherein the at least one dye substance comprises a carbonyl dye.

24. (Cancelled).

25. (Currently Amended) The cured pneumatic tyre of claim ~~[[24]]~~19, wherein the radical initiator is a peroxide.

26. (Currently Amended) The cured pneumatic tyre of claim ~~[[24]]~~25, wherein the radical initiator is paramethyl benzoyl peroxide.

27. (Currently Amended) The cured pneumatic tyre of claim ~~[[24]]~~19, wherein a molar ratio of the radical initiator to the at least one dye substance is greater than or equal to about 50:1 and less than or equal to about 150:1.

28. (Currently Amended) The cured pneumatic tyre of claim ~~[[24]]~~19, wherein a molar ratio of the radical initiator to the at least one dye substance is greater than or equal to about 90:1 and less than or equal to about 120:1.

29. (Cancelled).

30. (Currently Amended) The cured pneumatic tyre of claim ~~[[29]]~~19, wherein the opaque medium comprises one or more of titanium dioxide, calcium carbonate, silica, and sodium sulfate.

31. (Previously Presented) The cured pneumatic tyre of claim 19, wherein the at least one temperature indicator comprises a binding material.

32. (Previously Presented) The cured pneumatic tyre of claim 31, wherein the binding material is a cross-linkable material.

33. (Previously Presented) The cured pneumatic tyre of claim 31, wherein the binding material comprises low-temperature-vulcanizing properties.

34. (Previously Presented) The cured pneumatic tyre of claim 31, wherein the binding material comprises low-temperature-polymerizing properties.

35. (Previously Presented) The cured pneumatic tyre of claim 31, wherein the binding material comprises (C1-8)alkyl-cyano-acrylates.

36. (Previously Presented) The cured pneumatic tyre of claim 19, wherein the at least one temperature indicator is coated by a binding material.

37. (Previously Presented) The cured pneumatic tyre of claim 36, wherein the binding material is a cross-linkable material.

38. (Previously Presented) The cured pneumatic tyre of claim 36, wherein the binding material comprises low-temperature-vulcanizing properties.

39. (Previously Presented) The cured pneumatic tyre of claim 36, wherein the binding material comprises low-temperature-polymerizing properties.

40. (Previously Presented) The cured pneumatic tyre of claim 36, wherein the binding material comprises (C1-8)alkyl-cyano-acrylates.

41. (Previously Presented) The cured pneumatic tyre of claim 19, wherein the at least one temperature indicator is applied on a surface of an adhesive substrate, and wherein the adhesive substrate is then applied onto the tyre.

42. (Cancelled)